

# PATENT ABSTRACTS OF JAPAN

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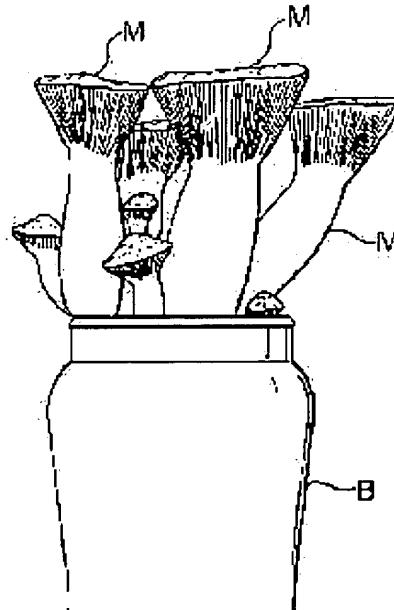
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## (54) PREPARATION OF NEW STRAIN AND CULTURE

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To prepare a new strain of Pleurotus eryngii, to extremely reduce damping-off phenomena of a germinated fruit body, to improve quality and yield of fungus and to shorten a culture cycle by mating a first Pleurotus eryngii with a second Pleurotus eryngii under a specific condition.

**SOLUTION:** A first Pleurotus eryngii (FERM P-15,292) containing <20wt.% trehalose in a dry state and having an incompatible factor A1B1A2B2 is mated with a second Pleurotus eryngii (FERM P-15,293) containing ≥20% trehalose in a dry state and having incompatible factor A3B3A4B4 to prepare a new strain of Pleurotus eryngii having A1B1A3B3, etc., as an incompatible factor. The new strain is inoculated into a mushroom medium obtained by blending ground corn cob with a nutrient material, culturing, germinating and growing the new strain to preferably cultivate a mushroom M of the genus Pleurotus.



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